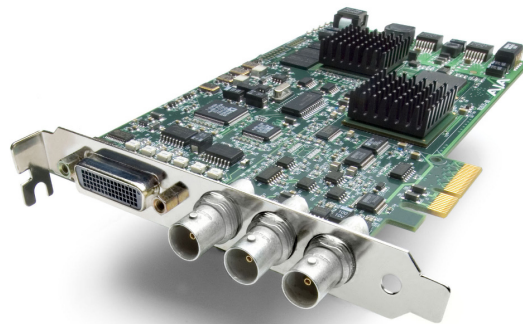


OEM-LS

PCI and PCIe Card
for 8/10-bit Uncompressed
Analog and Digital SD



DIGITAL AND ANALOG 10-BIT QUALITY, UNMATCHED FEATURES

The OEM-LS is AJA's award winning platform for SD analog and digital uncompressed audio and video I/O. OEM-LS is compatible with Windows Vista, XP, and Linux via our robust and proven SDK environments for each of these platforms. Like all of our products, OEM-LS is built to the highest specifications offering true broadcast-level performance within your systems and applications.

The OEM-LS is a field-proven PCI card that includes both 12-bit analog and 10-bit digital SD video input and output. OEM-LS also supports extremely high-quality multi-channel audio, at 24-bit 48kHz via XLR analog and digital via XLR, and 20-bit 48kHz embedded. Available now in two configurations; the OEM-LS for PCI and PCI-X compatible systems, and the OEM-LSE for PCIe systems.

Major Features

- 8/10-bit Uncompressed SD PCI I/O Card
- Available in PCI-66/64 (OEM-LS model)
- Available in PCI-e 4-Lane (OEM-LSE model)
- 12-bit SD Analog Component/Composite/S-Video I/O
- SDI Input, 2 Independent SDI Outputs
- 2-ch Balanced XLR AES Audio I/O, 24-bit
- 2-ch Balanced XLR Analog Audio I/O, 24-bit
- 8-ch SDI Embedded Audio I/O, 20-bit
- Genlock
- RS-422 9-pin Port for Machine Control
- Cables Standard, KL-Box Breakout Optional
- 3-year warranty

MULTIPLE OS SUPPORT, COMMON API, ROBUST SDK

OEM-LS is compatible with Windows Vista, XP, and Linux via our SDK (Software Development Kit), sharing one unified API (Application Programming Interface). This common API means less time developing if you are developing on multiple platforms and even multiple AJA cards. Our SDK's are feature rich and proven through the years.

- Our SDK supports multiple OS's, including:
- Windows Vista 32-bit
 - Windows Vista 64-bit
 - Windows XP 32-bit
 - Windows XP 64-bit
 - Linux 32-bit
 - Linux 64-bit

A more in-depth overview of our SDK can be found on our website, as well as in our OEM Overview whitepaper. Please contact us for more information, as well as additional information on our entire line OEM cards.

Please continue for technical information on the OEM-LS.



www.aja.com
530.274.2048
800.251.4224 US

SPECIFICATIONS

OEM-LS

PCI and PCI-X compatible

OEM-LSe

PCIe 4-lane compatible

Video Formats

SD:

525i 29.97

625i 25

Video Input

Digital:

8 or 10-bit SDI,

Analog:

SD: YPbPr, RGB (component mode)

Composit

12-bit A/D

Video Output

Digital:

8 or 10-bit SDI x2 BNC,

Analog:

SD: YPbPr

Composite/YC (composite mode)

12-bit A/D

Audio Input

Digital:

2-channel 16/24/32-bit AES/EBU, 48KHz sample rate

Synchronous or Non-synchronous (Internal sample rate conversion)

16/24/32-bit SMPTE-259 SDI embedded audio, 6-Ch, 48kHz synchronous

Analog:

2-channel balanced input

+24dbu Full Scale Digital

16/24/32-bit A/D, 48 KHz sample rate

+/- 0.2db 20 to 20 KHz Frequency Response

Audio Output

Digital:

2-channel 16/24/32-bit AES/EBU, 48KHz sample rate

16/24/32-bit SMPTE-259 SDI embedded audio, 6-Ch, 48 KHz synchronous

Analog:

2-channel balanced output (XLR)

+24dbu Full Scale Digital (0dbFS)

16/24/32-bit D/A, 48 KHz sample rate

+/- 0.2db 20 to 20 KHz Frequency Response

2-channel unbalanced output (RCA-jack):

requires KL-Box option

Reference Input

Analog Color Black

1 BNC on standard breakout cable (75 ohm terminating)

KL-Box (optional): 2 BNCs, passive loop

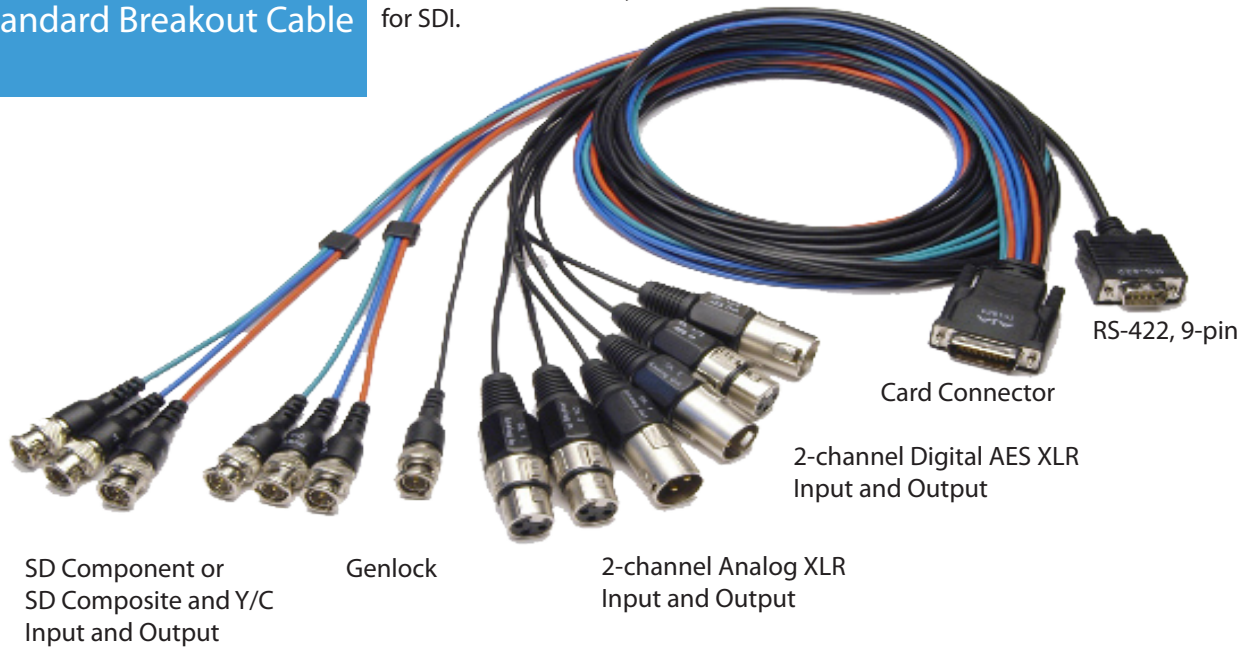
Machine Control

RS-422, Sony 9-pin protocol Connector provided on OEM-LS break

optional KL-Box.

Standard Breakout Cable

SDI connectors directly on card for OEM-LSE. OEM-LS has second breakout cable for SDI.



SD Component or
SD Composite and Y/C
Input and Output

Genlock

2-channel Analog XLR
Input and Output

2-channel Digital AES XLR
Input and Output

Card Connector

RS-422, 9-pin

optional KL-BOX breakout box



About AJA Video Systems, Inc.

Since 1993, AJA Video has been a leading manufacturer of high-quality and cost-effective digital video interface, conversion and Desktop solutions supporting the professional broadcast and post-production markets.

AJA is headquartered in Grass Valley, California, For further information, please see our website at www.aja.com

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